FIG. 1

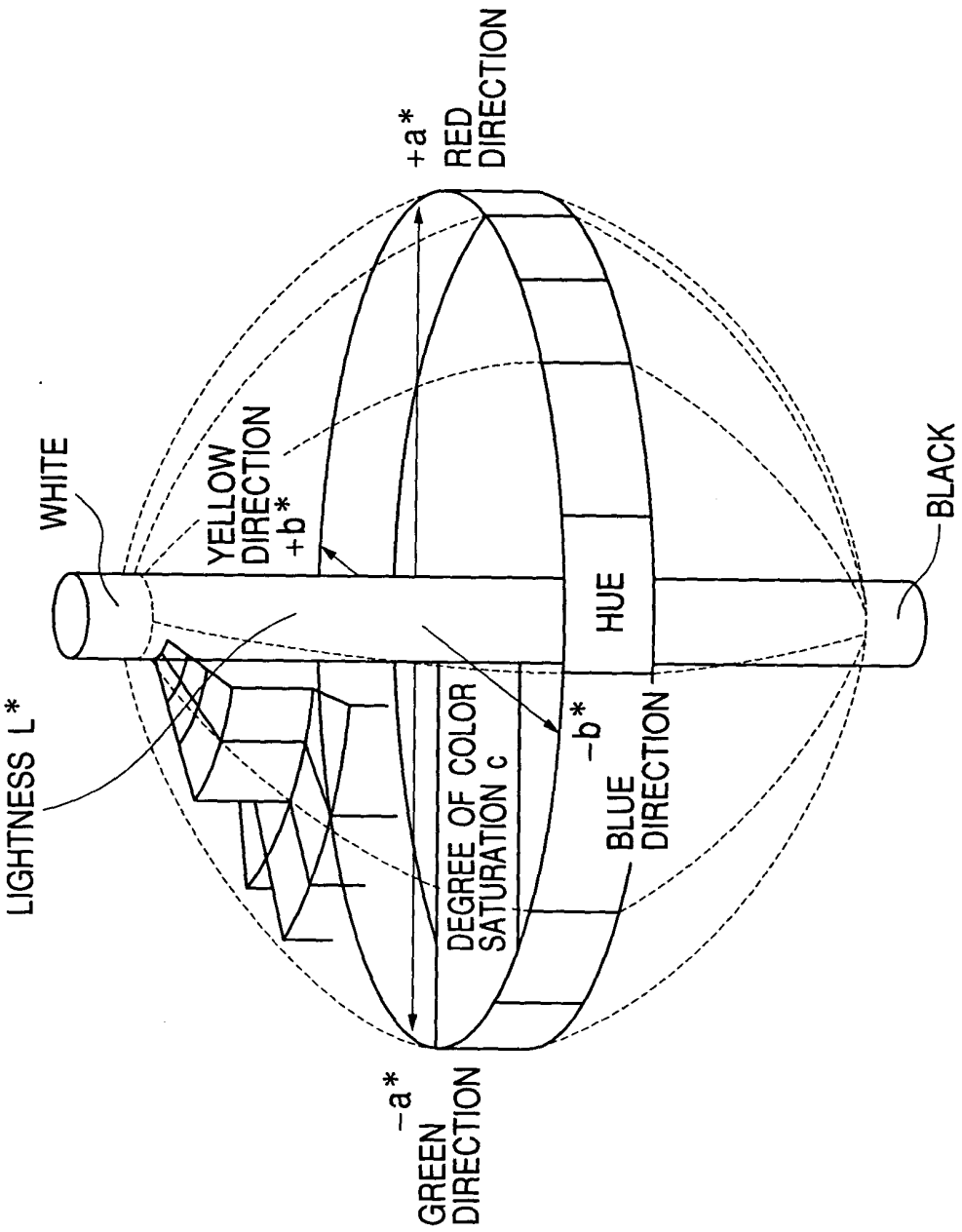

+a*
RED
DIRECTION
WHITE
YELLOW
DIRECTION
+b*
BLACK
HUE
LIGHTNESS L*
DEGREE OF COLOR
SATURATION c
-b*
BLUE
DIRECTION
-a*
GREEN
DIRECTION

FIG. 2

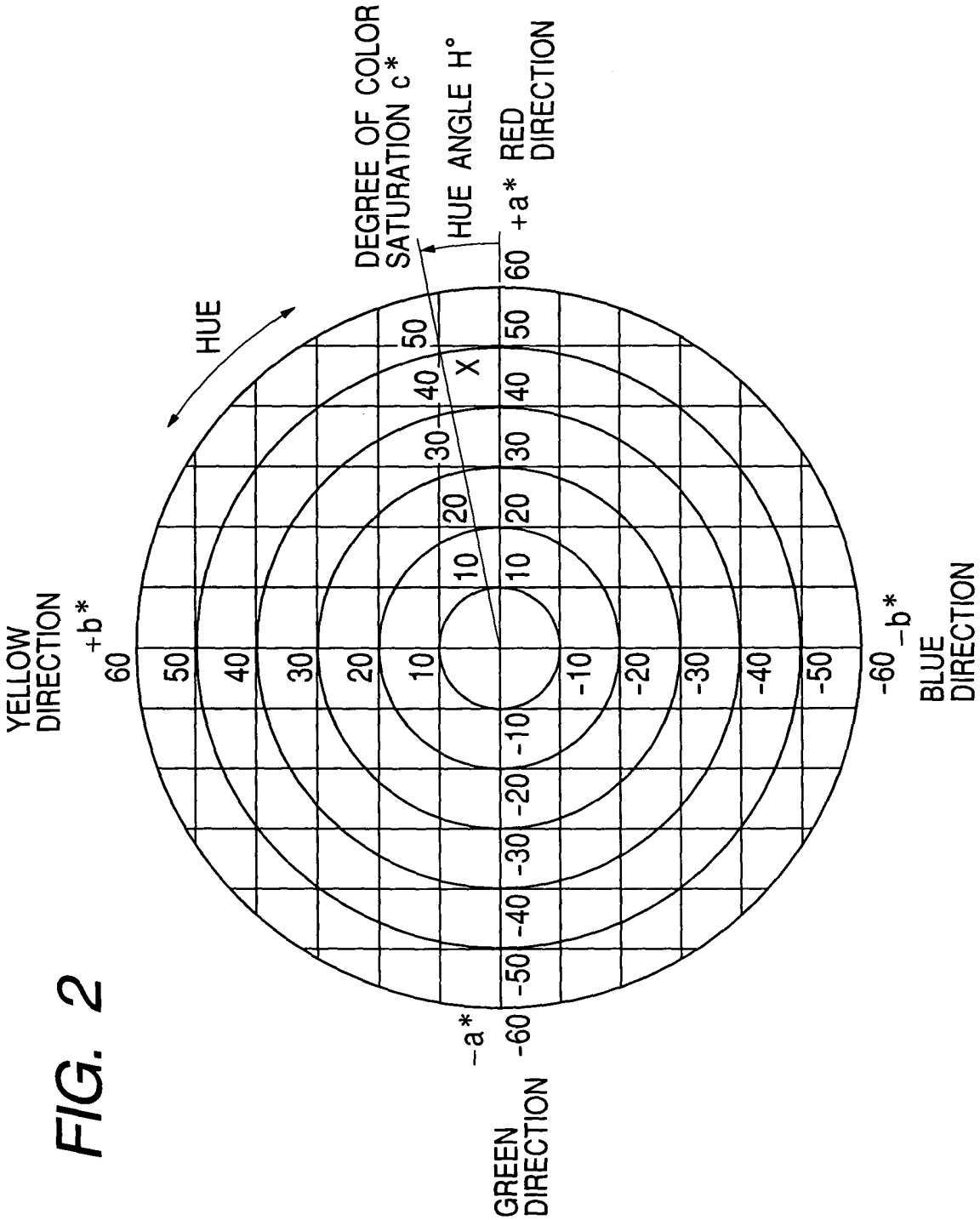

YELLOW DIRECTION
+b*
60
50
40
30
20
10
-10
-20
-30
-40
-50
-60
-a*
GREEN DIRECTION
-60
-b*
BLUE DIRECTION
HUE
DEGREE OF COLOR SATURATION c*
HUE ANGLE H°
+a* RED DIRECTION
X

FIG. 3

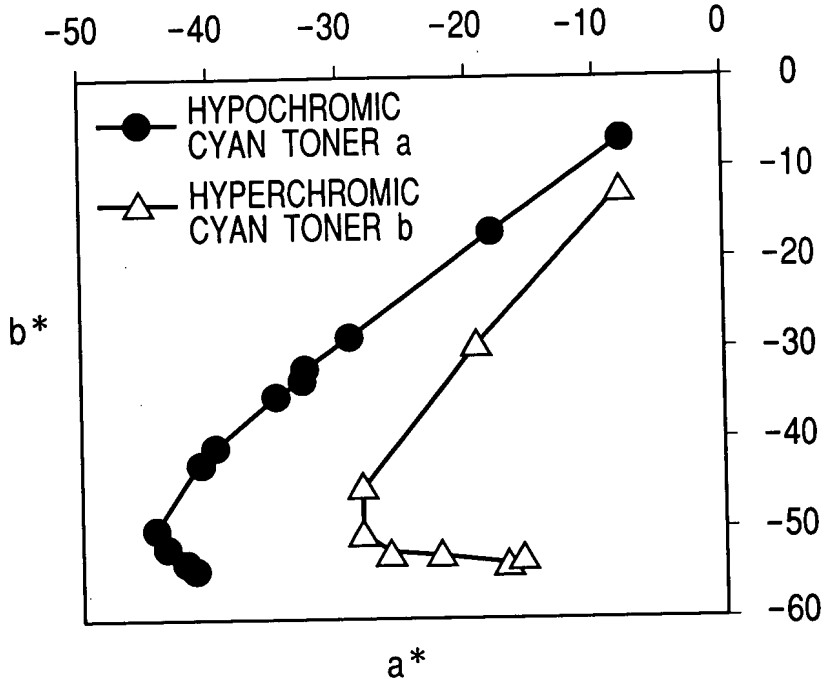

-50
-40
-30
-20
-10
0
0
-10
-20
-30
-40
-50
-60
HYPOCHROMIC CYAN TONER a
HYPERCHROMIC CYAN TONER b
b*
a*

FIG. 4

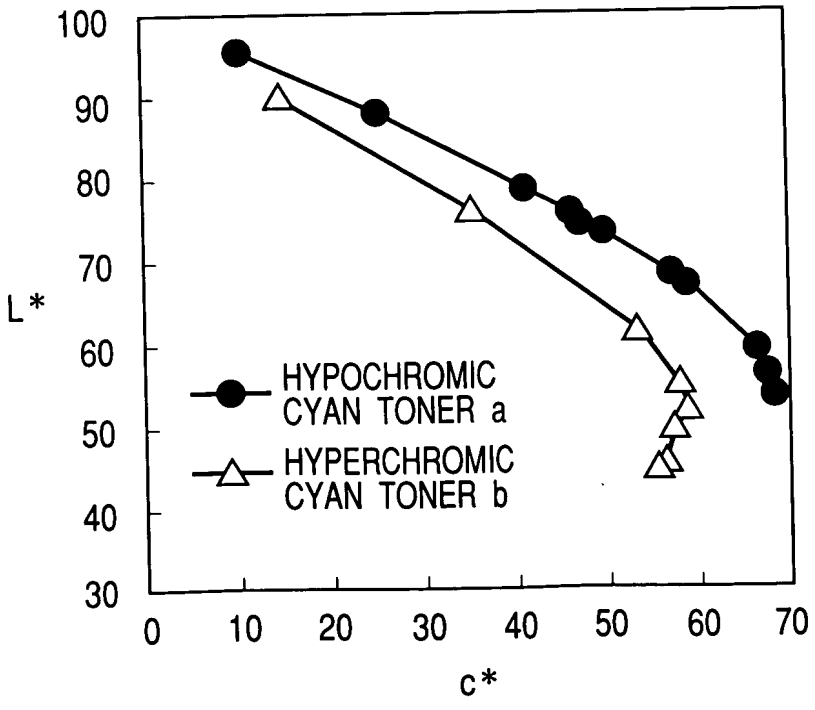

100
90
80
70
60
50
40
30
0
10
20
30
40
50
60
70
L*
c*
HYPOCHROMIC CYAN TONER a
HYPERCHROMIC CYAN TONER b

FIG. 5A

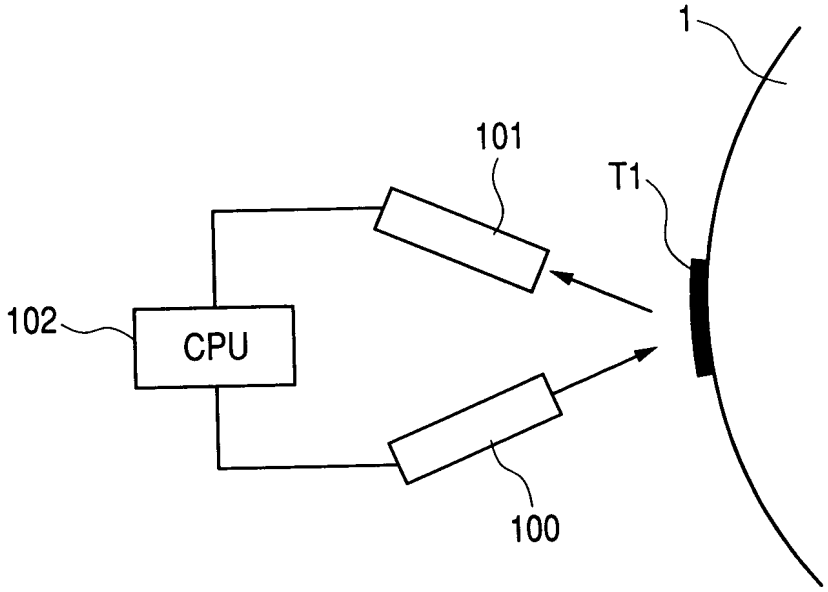


FIG. 5B

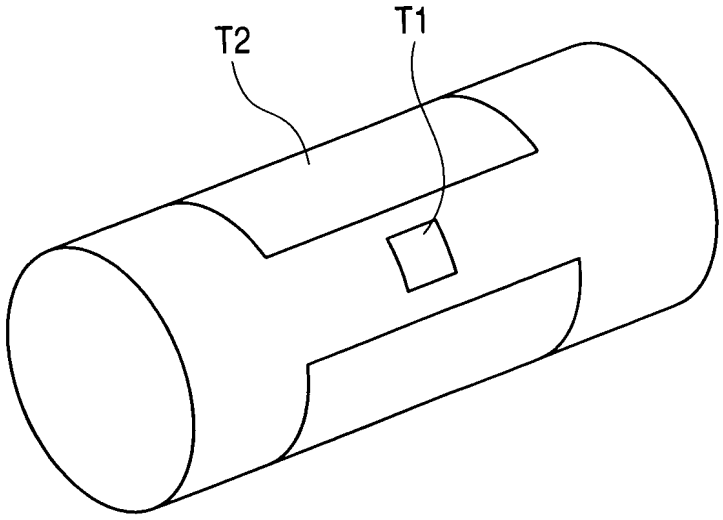


FIG. 6

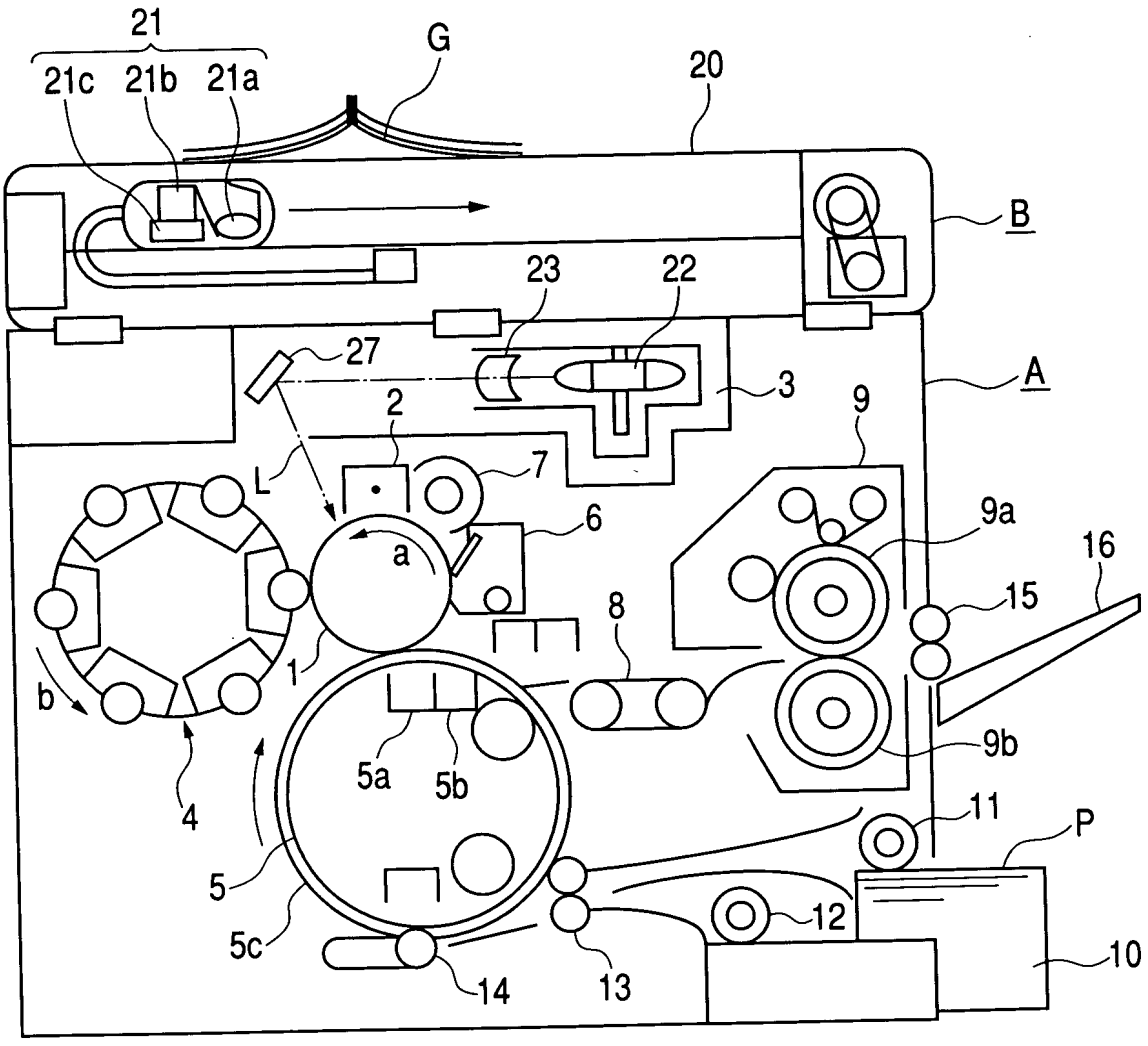

21
21c
21b
21a
G
20
B
23
22
27
3
A
2
9
7
L
6
9a
16
a
8
15
1
b
9b
5a
5b
11
P
4
5
12
5c
14
13
10

FIG. 7

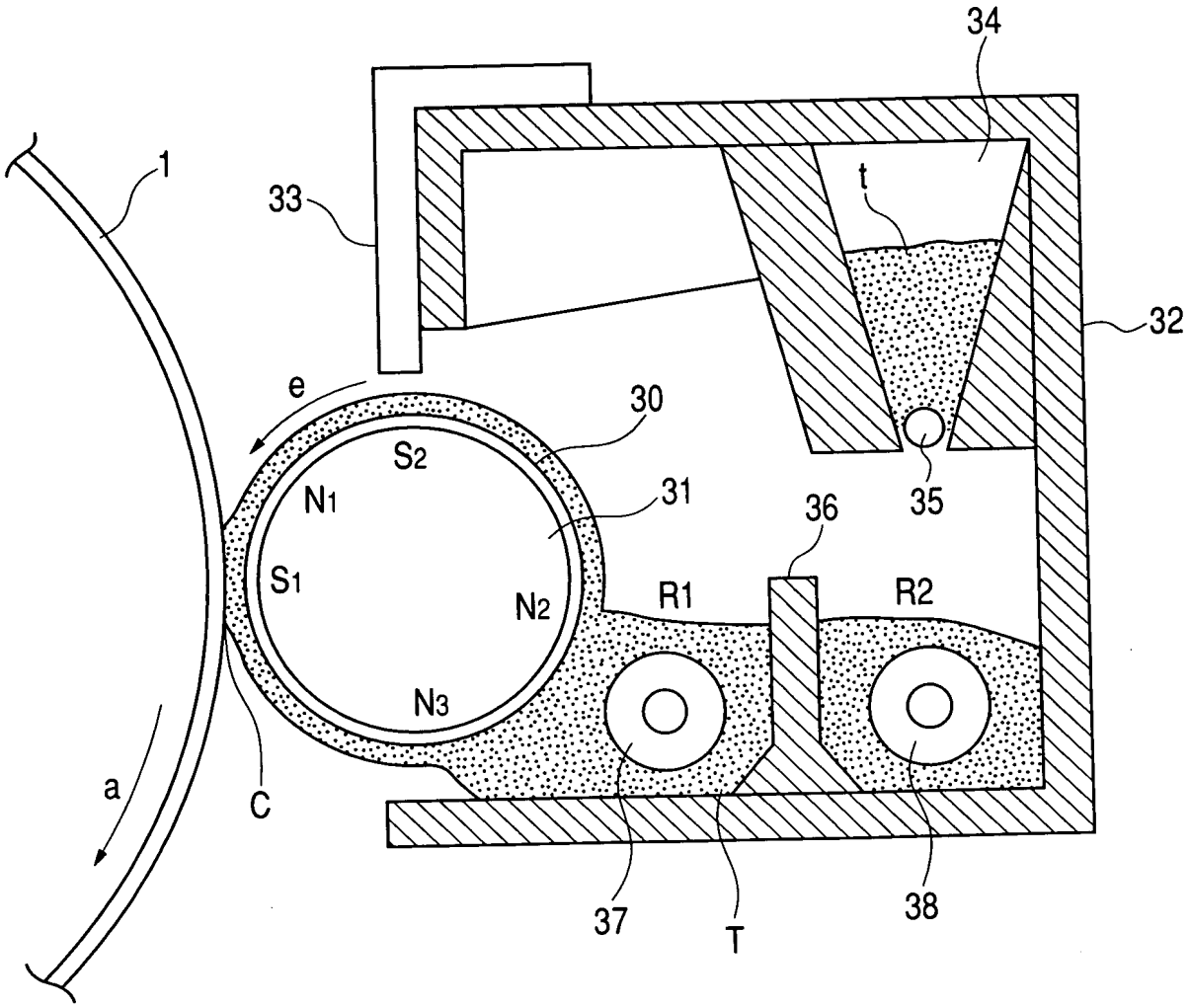


FIG. 8

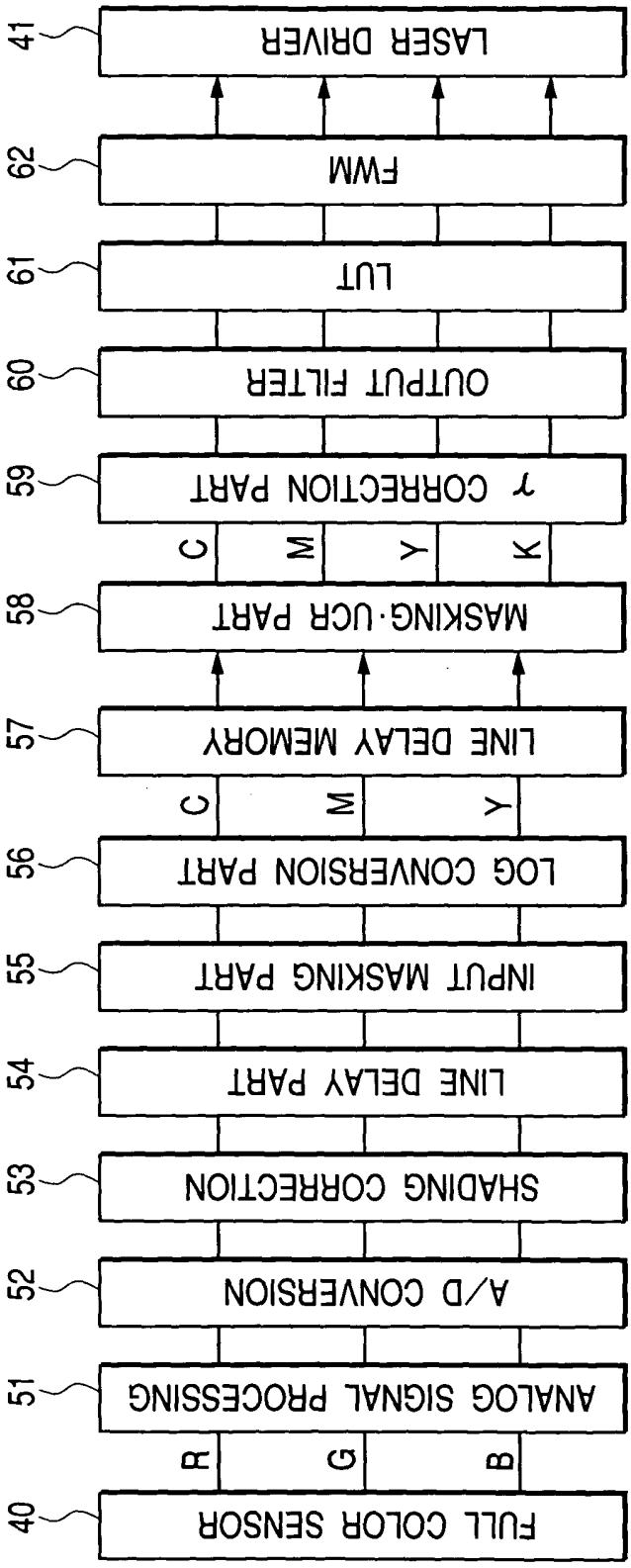
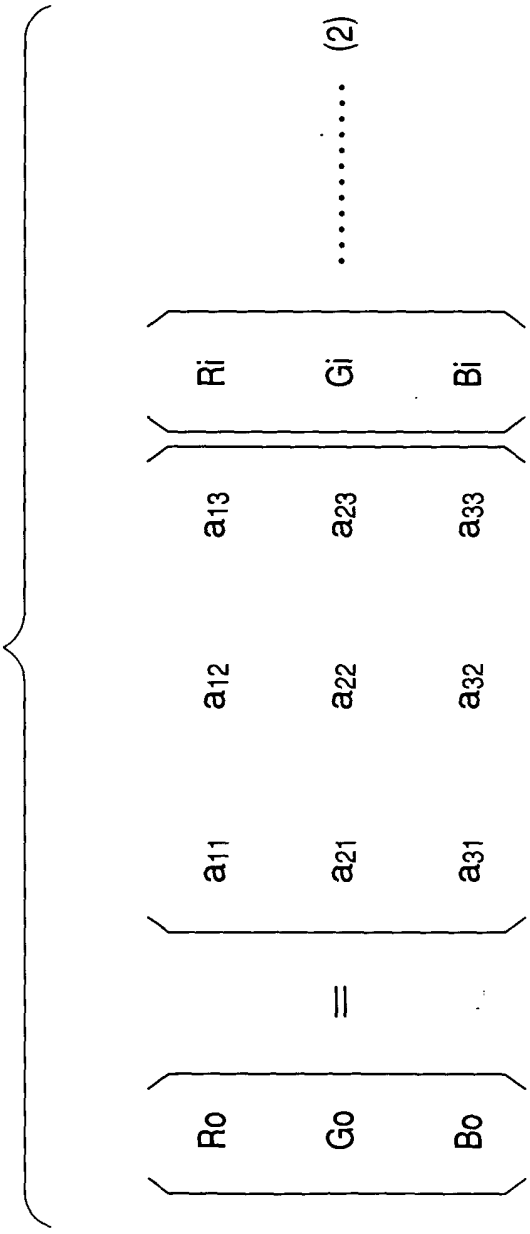

40
FULL COLOR SENSOR
R
G
B
51
ANALOG SIGNAL PROCESSING
52
A/D CONVERSION
53
SHADING CORRECTION
54
LINE DELAY PART
55
INPUT MASKING PART
56
LOG CONVERSION PART
C
M
Y
57
LINE DELAY MEMORY
58
MASKING·UCR PART
C
M
Y
K
59
γ CORRECTION PART
60
OUTPUT FILTER
61
LUT
62
PWM
41
LASER DRIVER

FIG. 9



WHERE; Ro, Go, Bo OUTPUT SIGNAL
Ri, Gi, Bi INPUT SIGNAL

FIG. 10

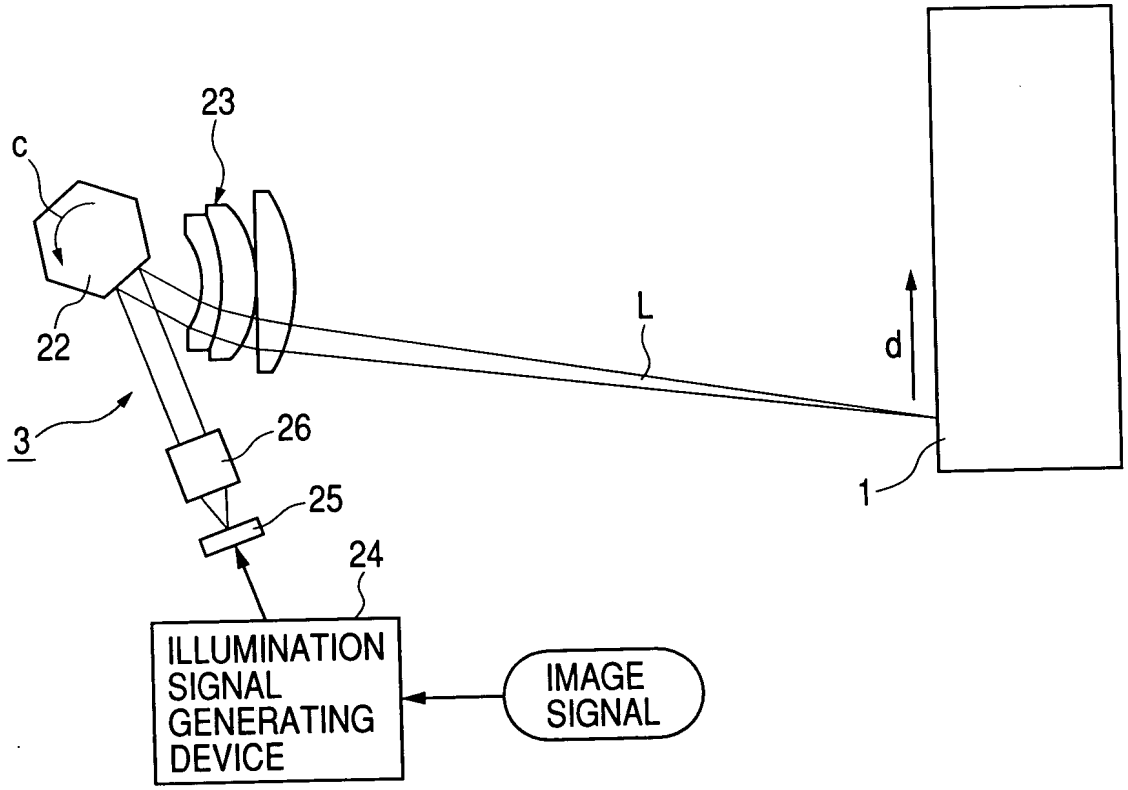

23
c
22
L
d
3
26
25
24
1
ILLUMINATION SIGNAL GENERATING DEVICE
IMAGE SIGNAL

FIG. 11

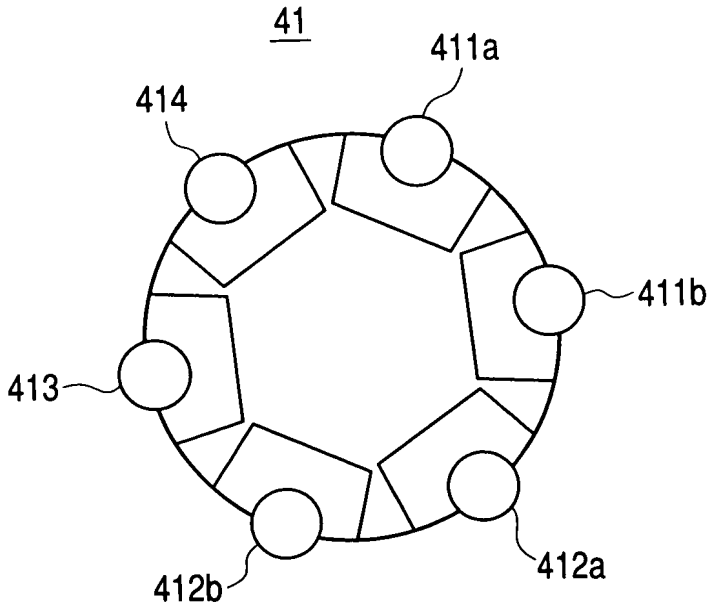

41
411a
414
411b
413
412a
412b

FIG. 12

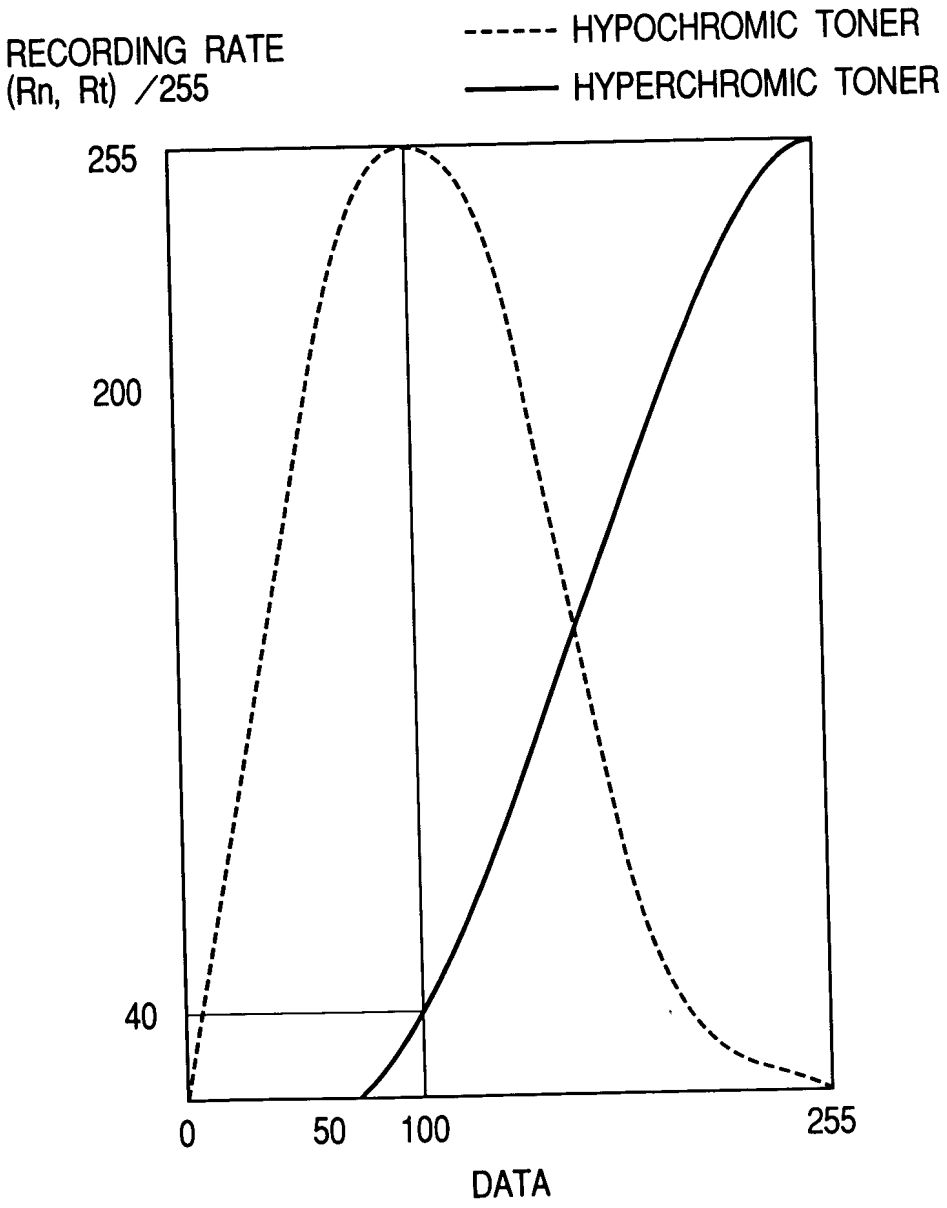

RECORDING RATE
(Rn, Rt) /255
------ HYPOCHROMIC TONER
—— HYPERCHROMIC TONER
255
200
40
0
50
100
255
DATA

FIG. 13

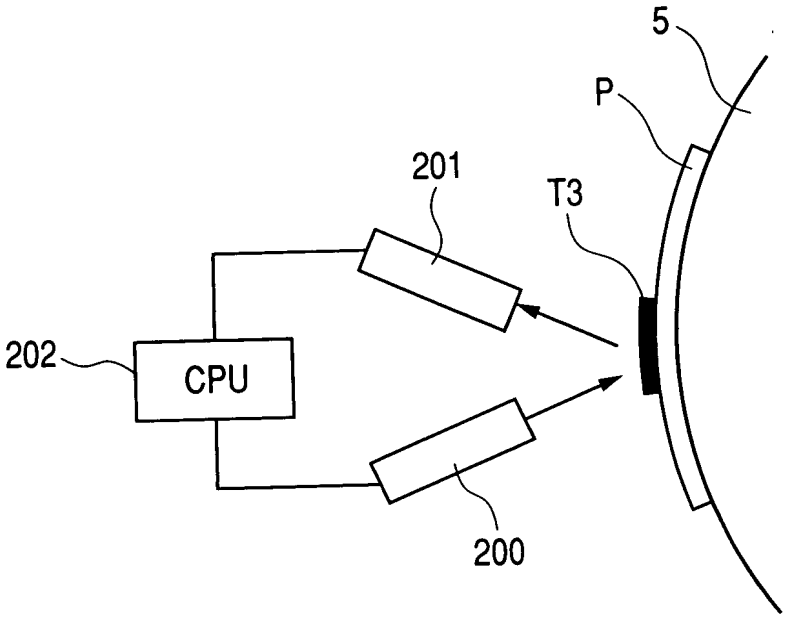

5
P
201
T3
202
CPU
200

FIG. 14

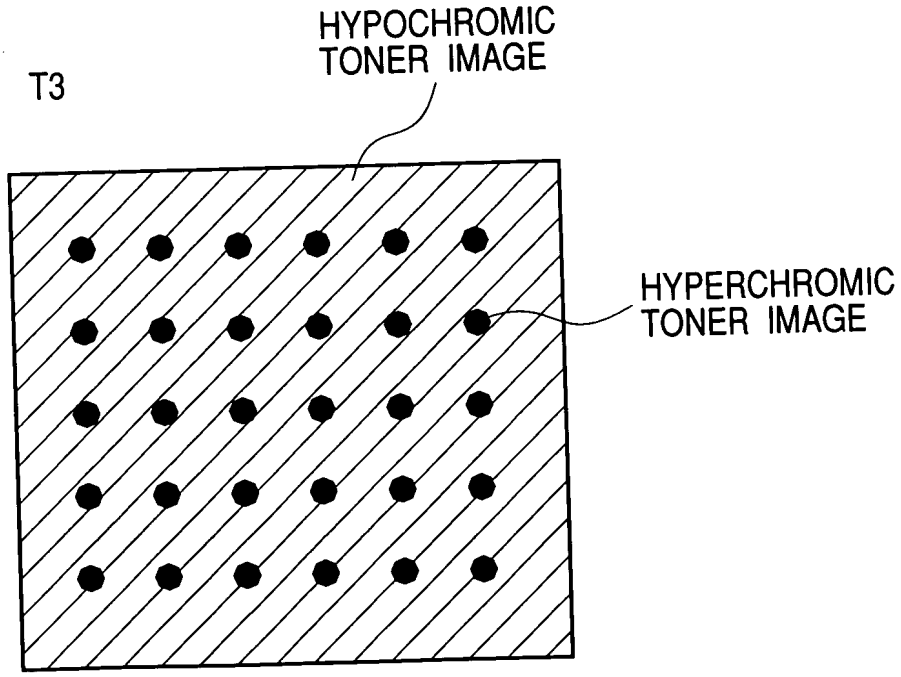

HYPOCHROMIC
TONER IMAGE
T3
HYPERCHROMIC
TONER IMAGE

FIG. 15

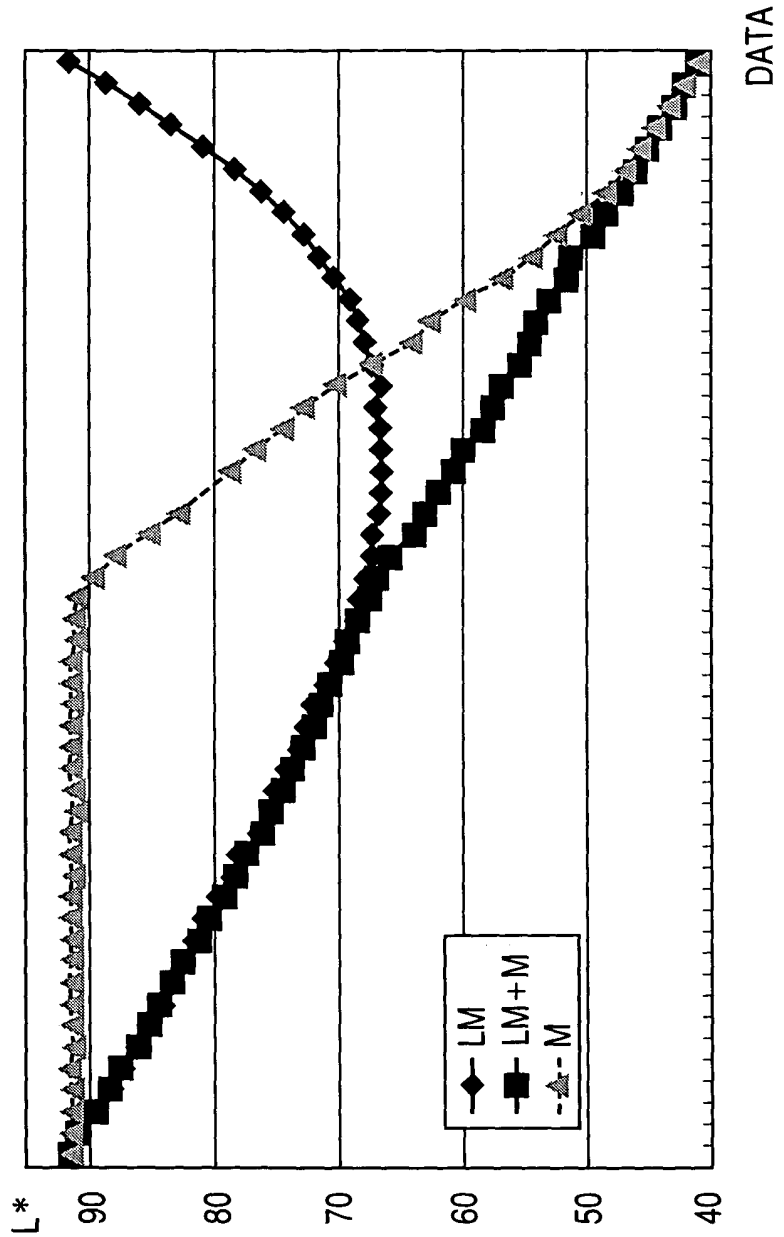


FIG. 16

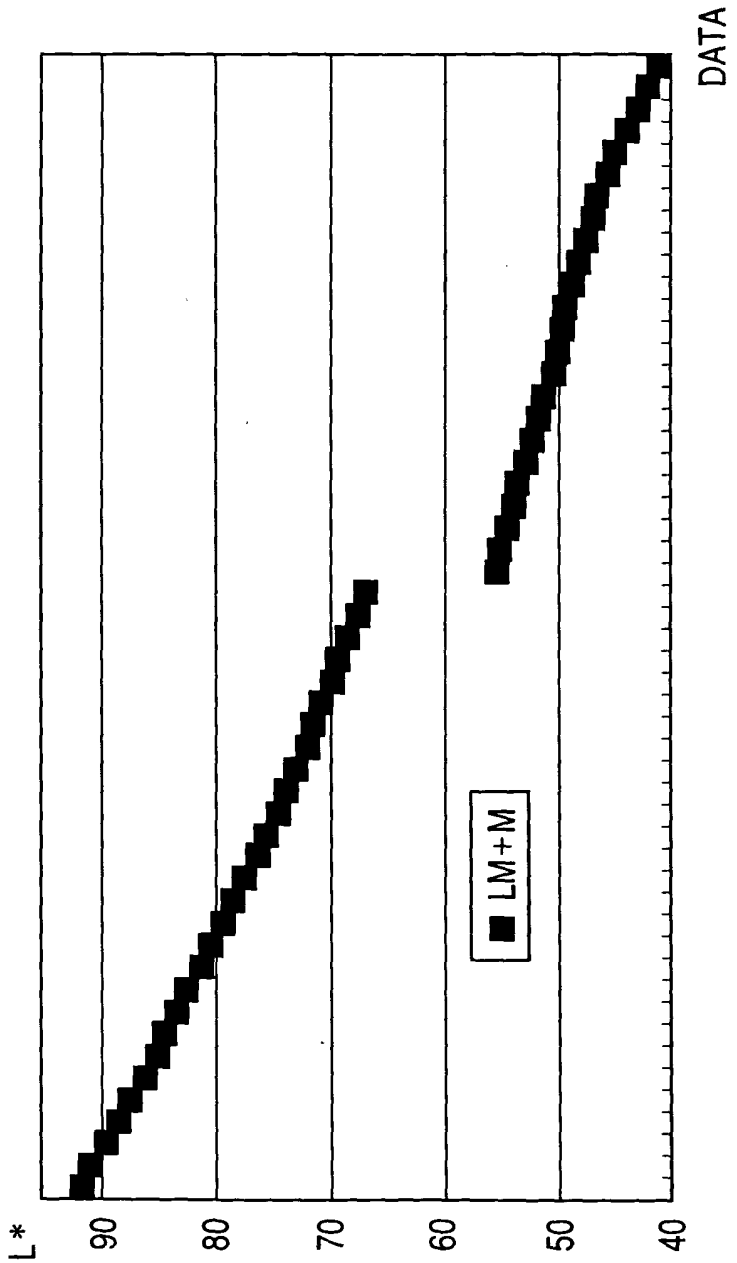


FIG. 17

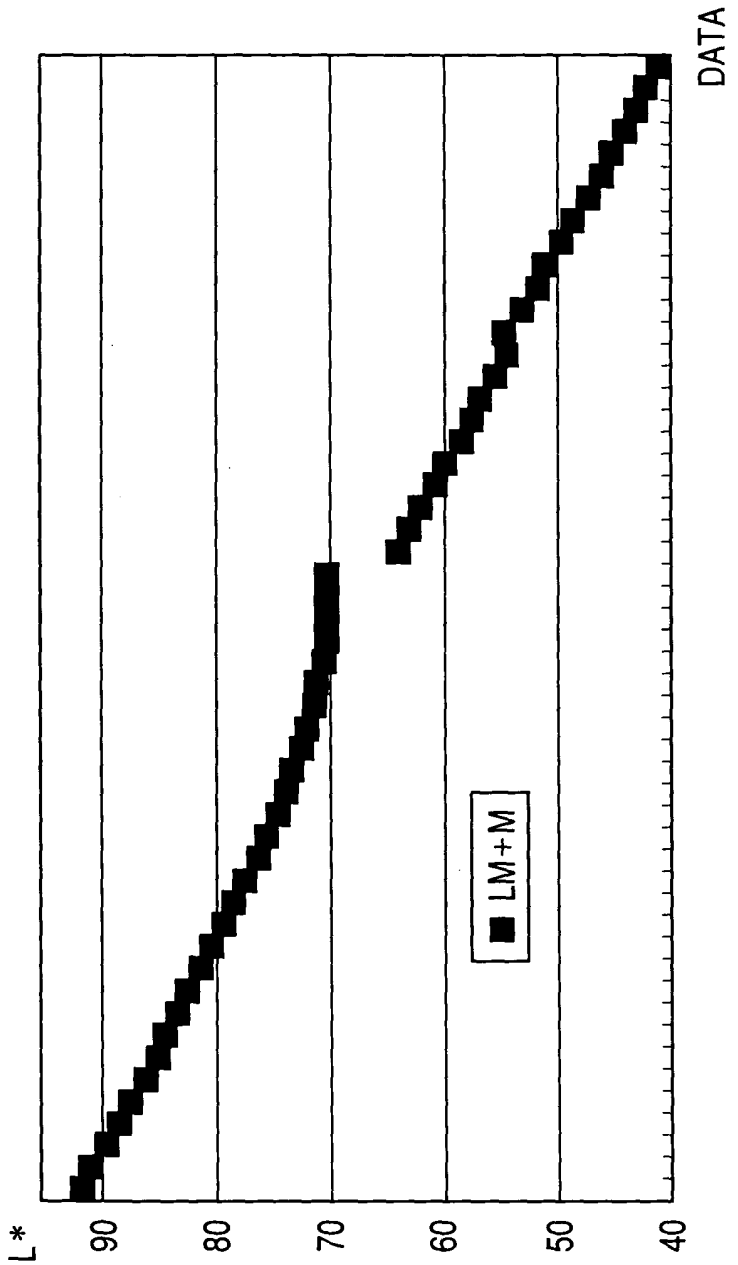


FIG. 18